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By: 

Printed: Nancy Ramos

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Bandman et al.

Title: NEW HUMAN CATHEPSIN

Serial No.: To Be Assigned

Filing Date:

Herewith

Examiner: To Be Assigned

Group Art Unit:

To Be Assigned

Mail Stop: Patent Application
Commissioner for Patents
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INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicants wish to call to the attention of the Examiner the enclosed "List of References Cited by Applicants." The right is reserved to antedate any item in accordance with standard procedure.

Applicants respectfully submit under 37 C.F.R. 1.98(3)(d) that copies of the references are not included herein as copies were previously cited by or submitted to the Office in parent application U.S. Application Serial No. 08/883,526 filed June 6, 1997, now U.S. Patent No. 6,033,893 and U.S. Application Serial No. 09/519,283, filed December 11, 2002, now U.S. Patent No. 6,620,606, which is a Continued Prosecution Application of U.S. Application Serial No. 09/519,283 filed March 2, 2000, from which we are claiming priority under 35 U.S.C. 120.

Citation of the documents is not to be construed as an admission that the documents are necessarily prior art with respect to the instant invention. This submission is understood to complement the results of the Examiner's own independent search. Citation of the documents shall not be construed as a representation that a search has been made or that the cited items are inclusive of all the relevant

and material citations that may be available publicly. Any NCBI report included herein may not have an accurate date for prior art purposes. Some of the documents may have markings thereon. No significance is meant to be attached to the markings.

Applicants respectfully request that the cited documents be considered by the Examiner and that an initialed copy of the List of References Cited by Applicants be returned to Applicants.

It is believed that this disclosure complies with 37 CFR §§ 1.56, 1.97 and 1.98 and the Manual of Patent Examining Procedures § 609. If for some reason the Examiner considers otherwise, please telephone the undersigned.

Applicants believe that no fee is due with this paper. However, if the Commissioner determines that a fee is necessary, the Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. **09-0108**.

If there are any questions regarding the above, the Examiner is invited to call the undersigned.

Respectfully submitted,

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Date: 12, September 2003

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U.S. Department of Commerce, Patent and Trademark Office				Atty Docket No.		Serial No.	
				PF-0331-3 DIV			
LIST OF REFERENCES CITED BY APPLICANTS				Applicants			
(Use several sheets if necessary)				Bandman et al.			
				Filing Date		Group	
				Herewith		To Be Assigned	
U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
Foreign Patent Documents							
							Translation
		Document	Date	Country	Class	Subclass	Yes No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	1	Huisman, W. et al., "Role Of Individual Cathepsins In Lysosomal Protein Digestion As Tested By Specific Inhibitors", <u>Biochimica et Biophysica Acta</u> , 370: 297-307 (1974)					
	2	Mizuochi, T. et al., "Both cathepsin B and cathepsin D are necessary for processing of ovalbumin as well as for degradation of class II MHC invariant chain", <u>Immunol. Lett.</u> 43: 189-193 (1994)					
	3	Baldwin, E.T. et al., "Crystal structures of native and inhibited forms of human cathepsin D: Implications for lysosomal targeting and drug design", <u>Proc. Natl. Acad. Sci. USA</u> 90: 6796-6800 (1993)					
	4	Troen, B.R. et al., "Downstream Sequences Mediate Induction of the Mouse Cathepsin L Promoter by Phorbol Esters", <u>Cell Growth Differ.</u> 2: 23-31 (1991)					
	5	Keyszer, G.M. et al., "Comparative Analysis Of Cathepsin L, Cathepsin D, And Collagenase Messenger RNA Expression In Synovial Tissues Of Patients With Rheumatoid Arthritis And Osteoarthritis, By In Situ Hybridization", <u>Arthritis Rheum.</u> 38: 976-984 (1995)					
	6	Baricos, W.H. et al., "Evidence Suggesting a Role for Cathepsin L in an Experimental Model of Glomerulonephritis", <u>Arch. Biochem. Biophys.</u> 288: 468-472 (1991)					
	7	Consonni, R. et al., "Further characterization of platelet-aggregating cysteine proteinase activity in thrombotic thrombocytopenic purpura", <u>Br. J. Hematol.</u> 87: 321-324 (1994)					
	8	Chambers, A.F. and A.B. Tuck, "Ras-Responsive Genes and Tumor Metastasis", <u>Crit. Rev. Oncog.</u> , 4: 95-114 (1993)					
	9	Gal, S. et al., (Direct Submission) NCBI Accession No. X12451 (GI 29714, GI 29715) 22 Sep. 1998					
Examiner			Date Considered				
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p>							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	10	Gal, S. and M.M. Gottesman, "Isolation and sequence of a cDNA for human pro-(cathepsin L)", <u>Biochem. J.</u> 253: 303-306 (1988) (GI 29714; GI 29715)
	11	Okamura, N. et al., (Direct Submission) NCBI Accession No. D37917 (GI 710655, GI 1468964), 8 Feb. 1999
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	13	Adams et al., "Initial Assessment of Human Gene Diversity and Expression Patterns Based Upon 83 Million Nucleotides of cDNA Sequence", <u>Nature</u> 377(6547 Supp.): 3-17 (1995)
	14	Adams et al., "EST177928 Colon carcinoma (HCC) cell line <i>Homo sapiens</i> cDNA 5' end similar to cathepsin L", EST Accession No. AA307011 (April 18, 1997)
	15	Hillier et al., "zs40d02.s1 Soares NhMPu S1 <i>Homo Sapiens</i> cDNA clone 687651 3' similar to gb:X12451 cathepsin L precursor (human)", EST Accession No. AA235364 (March 3, 1997)
	16	Gay et al., "Molecular Cloning of a Bovine Cathepsin", <u>Biochem. J.</u> 225: 707-712 (1985)
	17	Georgiou, "Optimizing the Production of Recombinant Proteins in Microorganisms", <u>AlChE. J.</u> 34(8): 1233-1248 (1988)
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	21	Bromme, D. et al., (Direct Submission) NCBI Accession No. AF070448 (GI 3228671), 17 June 1998
	22	Adachi, W. et al., (Direct Submission) NCBI Accession No. AB001928 (GI 3107914), 5 May 1998
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	25	Adachi, W. et al., "Isolation and Characterization of Human Cathepsin V: A Major Proteinase in Corneal Epithelium", <u>Invest. Ophthalmol. Visual Sci.</u> , 39: 1789-1796 (1998)
	26	E. K. Lobenhofer, et al., <u>Environmental Health Perspectives</u> 109:881-891 (2001)

Examiner

Date Considered

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